

Application Serial No: 09/884,366

IN THE CLAIMS:

Please amend the claims as follows:

Claim 1. (canceled)

1 Claim 2. (currently amended) An input method comprising:
2 one or more users having browsers for accessing a server based in
3 a network, ~~and~~
4 at least one of said users inputting characters by accessing said
5 server via one of said browsers;
6 connecting to said server via said browser;
7 downloading an applet from said server, in which said applet has
8 a dynamic user interface generator, an input method selecting interface
9 module, and a network interface module;
10 selecting proper language and input method by using said input
11 method selecting interface module, and sending selected information to
12 said server;
13 sending by said server an input interface layout to said client
14 according to selected information;
15 generating by said dynamic user interface generator a user
16 interface based on the input interface layout;
17 inputting characters via said generated user interface and
18 sending said characters to said server;
19 recognizing by said server the received characters, and sends the
20 recognized results to the client; and
21 displaying the results in the input interface of the client.

Claim 3. (canceled)

1 Claim 4. (original) The input method according to claim 1,
2 characterized in that:
3 the step of said server sending an input interface layout to said
4 client according to selected information further includes:
5 an input user interface loader in the server reads one or more
6 user interface information from an input method engine pool, according
7 to the selected one ore more input method, and then configures the
8 appropriate input user interface layout.

1 Claim 5. (currently amended) The input method according to claim
2 ~~2~~ 1, characterized in that: the step of said server recognizing the
3 received characters, and sending the recognized results to the client

Application Serial No: 09/884,366

4 further includes:

5 ~~an~~ a user profile manager stores and manages information sent
6 from different clients;

7 an operation manager selects an input method engine from an input
8 method engine pool to recognize the input characters;

9 a communicator sends the recognized result to the client.

1 Claim 6. (currently amended) The input method according to claim
2 4 5, characterized in that:

3 further comprising the step: a balance scheduler allocates the
4 user requests to a plurality servers.

1 Claim 7. (currently amended) The input method according to claim
2 5 6, characterized in that:

3 the information sent from the client is stored in ~~an~~ the user
4 profile which has a history area for storing previous recognized
5 candidates, and a current input area for storing the candidates of the
6 current recognizing characters.

1 Claim 8. (currently amended) The input method according to claim
2 6 7, characterized in that: further comprising the step: a multi-input
3 method combiner in the server combines the different recognized
4 candidates of different input methods.

1 Claim 9. (currently amended) The input method according to claim
2 7 8, characterized in that: said multi-input method combiner obtains
3 the recognized results by intersecting the recognized candidates of
4 different input methods.

1 Claim 10. (currently amended) The input method according to
2 claim 6 7, characterized in that: further comprising the step: a
3 postprocessor based on language model in the server forecasts the
4 recognizing character based on the recognized candidates.

1 Claim 11. (currently amended) An input system based on a
2 network, said network comprises at least one server, and one or more
3 ~~clients which have browsers for accessing said server, characterized in~~
4 ~~that: an user can input characters by accessing said server via said~~
5 ~~browser,~~ the input system comprising:

6 one or more browsers for accessing said server by the clients,
7 the browsers configured to download an applet from the server to input
8 characters and to display the results; and

Application Serial No: 09/884,366

9 said server comprising:
10 a communicator for sending and receiving data to/from the
11 client;
12 a user profile manager for storing and managing information
13 of different clients;
14 an input method engines pool for storing different input
15 method engines of different languages; and
16 an operation manager for selecting an appropriate input
17 method engine based on the selected language and selected input method,
18 and for sending the input characters to be recognized to the engine.

Claim 12. (canceled)

1 Claim 13. (currently amended) The input system according to
2 claim ~~10~~ 11, characterized in that:
3 said applet includes:
4 an input method selecting interface module for selecting language
5 and input method; a dynamic user interface generator for dynamically
6 generating an input user interface;
7 a data encoder for compressing the input information; a network
8 interface module for sending and receiving data to/from the server.

1 Claim 14. (currently amended) The input system according to
2 claim ~~12~~ 11, characterized in that: said data encoder has an input
3 method based code compressor for allocating different parameters of
4 compressing algorithm to different input methods.

1 Claim 15. (currently amended) The input system according to
2 claim ~~13~~ 14, characterized in that:
3 said server further has a balance scheduler to allocate the user
4 requests to a plurality of servers and to balance the computing loads
5 of the servers.

1 Claim 16. (currently amended) The input system according to
2 claim ~~13~~ 14, characterized in that: said communicator includes:
3 a receiver for receiving the information sent from the client to
4 the server;
5 a decryptor/encryptor for decrypting and encrypting the
6 information received or sent out; ~~an~~ a user identification component
7 for reading the user id from the information deciphered.

Application Serial No: 09/884,366

1 Claim 17. (currently amended) The input system according to
2 claim ~~10~~ 11, characterized in that: said user profile manager includes:
3 one or more user profiles for storing the user id information,
4 the language selection and the input method selection, and the data
5 sent from the client, said profile is further divided into two parts: a
6 history area for storing previous recognized candidates, a current
7 input area for storing current recognized candidates;
8 an input tracking daemon for extracting all the input received
9 from the client;
10 an output generator for taking the results from the profile.

1 Claim 18. (original) The input system according to claim 11,
2 characterized in that:
3 said operation manager includes:
4 a language id module for getting the language the user is now
5 using from the user profile;
6 a method selector for getting the method the user is now using
7 from the user profile;
8 a operation managing unit for selecting an input method engine
9 from the input method engine pool based on the output of the language
10 id module and the method selector to recognize the input character;
11 an input user interface loader for reading input user interface
12 configuration information from the input method engines pool based on
13 the selected method, and for configuring the input user interface
14 layout.

1 Claim 19. (currently amended) The input system according to
2 claim ~~16~~ 17, characterized in that:
3 the operation managing unit further includes a combiner, for
4 deciding whether the user selects multi-methods and for getting
5 combined candidates of different selected methods if the user selects
6 multi-methods.

1 Claim 20. (currently amended) The input system according to
2 claim ~~16~~ 17, characterized in that:
3 the input method engines pool includes:
4 a plurality of input method engines for recognizing the input
5 characters;
6 a multi-input combiner, for combining the candidates of different
7 methods if the user selects multi-methods to input characters; a

Application Serial No: 09/884,366

8 postprocessor based on language model, for forecasting the recognizing
9 character based on the previous recognized candidates.

1 Claim 21. (currently amended) The input system according to
2 claim ~~19~~ 20, characterized in that: the input method engines include:
3 handwriting recognition engine for recognizing the handwriting
4 input information;
5 ~~speeching~~ speech recognition engine for recognizing the speech
6 input information;
7 code-based recognition engine for recognizing the input character
8 by matching.

1 Claim 22. (original) An article of manufacture comprising a
2 computer usable medium having computer readable program code means
3 embodied therein for causing an input method based on a network, the
4 computer readable program code means in said article of manufacture
5 comprising computer readable program code means for causing a computer
6 to effect the steps of claim 1.

1 Claim 23. (original) A program storage device readable by
2 machine, tangibly embodying a program of instructions executable by the
3 machine to perform method steps for an input method based on a network,
4 said method steps comprising the steps of claim 1.

1 Claim 24. (currently amended) A computer program product
2 comprising a computer usable medium having computer readable program
3 code means embodied therein for causing an input method based on a
4 network, the computer readable program code means in said computer
5 program product comprising computer readable program code means for
6 causing a computer to effect the functions of claim ~~10~~ 11.

1 Claim 25. (currently amended) An input method comprising:
2 ~~at least one user having a browser for accessing a server based~~
3 ~~in a network, and said at least one user inputting characters by~~
4 ~~accessing said a server via said a browser;~~
5 connecting to said server via said browser;
6 downloading an applet from said server, in which said applet has
7 at least one of: a dynamic user interface generator, an input method
8 selecting interface module, and a network interface module;
9 selecting a proper language, and sending selected information to
10 said server, said server sending an input interface layout to said

Application Serial No: 09/884,366

11 client according to selected information, said dynamic user interface
12 generator generating a user interface based on the input interface
13 layout;
14 inputting characters and sending said characters to said server,
15 said server recognizing the received characters, and sending the
16 recognized results to the user; and
17 displaying the results for said user.

Claim 26. (canceled)

1 Claim 27. (currently amended) An article of manufacture
2 comprising a computer usable medium having computer readable program
3 code means embodied therein for causing an input method, the computer
4 readable program code means in said article of manufacture comprising
5 computer readable program code means for causing a computer to effect
6 the steps of claim ~~24~~ 25.

1 Claim 28. (currently amended) A program storage device readable
2 by machine, tangibly embodying a program of instructions executable by
3 the machine to perform method steps for an input method, said method
4 steps comprising the steps of claim ~~24~~ 25.